

OIB - Other: GV 09/17/15 Science Report

Aircraft:

Other: GV

Date:

Thursday, September 17, 2015

Mission:

OIB

Mission Location:

Broomfield, CO

Mission Summary:

Test Flight 4

Salt Lake and Broomfield Ramp Calibration Flight, 9/17/15

Final, pre-mission cal flight for the LVIS and DMS instruments prior to departure to Chile.

Goals were to test GPS set up and collect calibration data for IMUs, LVIS and DMS instruments.

All systems operated well. Targets in Salt Lake area and Broomfield were overflown.

Power to everything in cabin was lost during power switch off to ground power. No post-mission applanix data were collected. There is also the potential for corruption of the last IMU file of each system.

Submitted by:

Michelle Hofton on 09/17/15

Related Flight Report:

Other: GV 09/17/15

Flight Number:

4

Payload Configuration:

OIB-2015

Nav Data Collected:

No

Total Flight Time:

3.7 hours

Submitted by:

Pavel Romashkin on 09/21/15

Flight Segments:

From:	KBJC	To:	KBJC
Start:	09/17/15 14:56 Z	Finish:	09/17/15 18:38 Z
Flight Time:	3.7 hours		
Log Number:	15M046	PI:	John Woods
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Check		
Comments:	TF04 is the last test flight to confirm full instrument operation for LVIS and DMS. Two NSERC filters were installed on the Iridium antenna lines (main Satcom and ARMAS). A notch filter was added to LVIS rack before the main splitter. Test flight confirmed full payload readiness.		

Flight Hour Summary:

	15M046	16M026
Flight Hours Approved in SOFRS	180	15
Flight Hours Previously Approved		109.5
Total Used	62.7	148.1
Total Remaining		-23.6

16M026 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
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10/01/15	11	Science	1.8	1.8	122.7
10/03/15	12	Science	10.8	12.6	111.9
10/05/15	13	Science	11	23.6	100.9
10/07/15	14	Science	10.3	33.9	90.6
10/10/15	15	Science	10.5	44.4	80.1
10/12/15	16	Science	10.8	55.2	69.3
10/14/15 - 10/15/15	17	Science	9.3	64.5	60
10/17/15	17	Science	11.8	76.3	48.2
10/19/15	18	Other	2.2	78.5	46
10/20/15	19	Science	10.8	89.3	35.2
10/22/15	20	Science	10.9	100.2	24.3
10/25/15	21	Science	10.2	110.4	14.1
10/27/15 - 10/28/15	22	Science	11.1	121.5	3
10/29/15	23	Science	10	131.5	-7
10/31/15	24	Other	2.2	133.7	-9.2
11/01/15	25	Other	5.1	138.8	-14.3
11/02/15 - 11/03/15	26	Other	9.3	148.1	-23.6

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Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

15M046 Flight Reports					
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
09/10/15	1	Check	4	4	176
09/11/15	2	Check	2.8	6.8	173.2

09/11/15 - 09/12/15	3	Check	1.7	8.5	171.5
09/17/15	4	Check	3.7	12.2	167.8
09/18/15	5	Transit	2.1	14.3	165.7
09/18/15 - 09/19/15	5	Transit	7.8	22.1	157.9
09/19/15	6	Transit	6.7	28.8	151.2
09/22/15	7	Science	10.5	39.3	140.7
09/24/15	8	Science	11	50.3	129.7
09/26/15	9	Science	9.8	60.1	119.9
09/29/15	10	Science	10.4	70.5	109.5